



Science Advisory Board

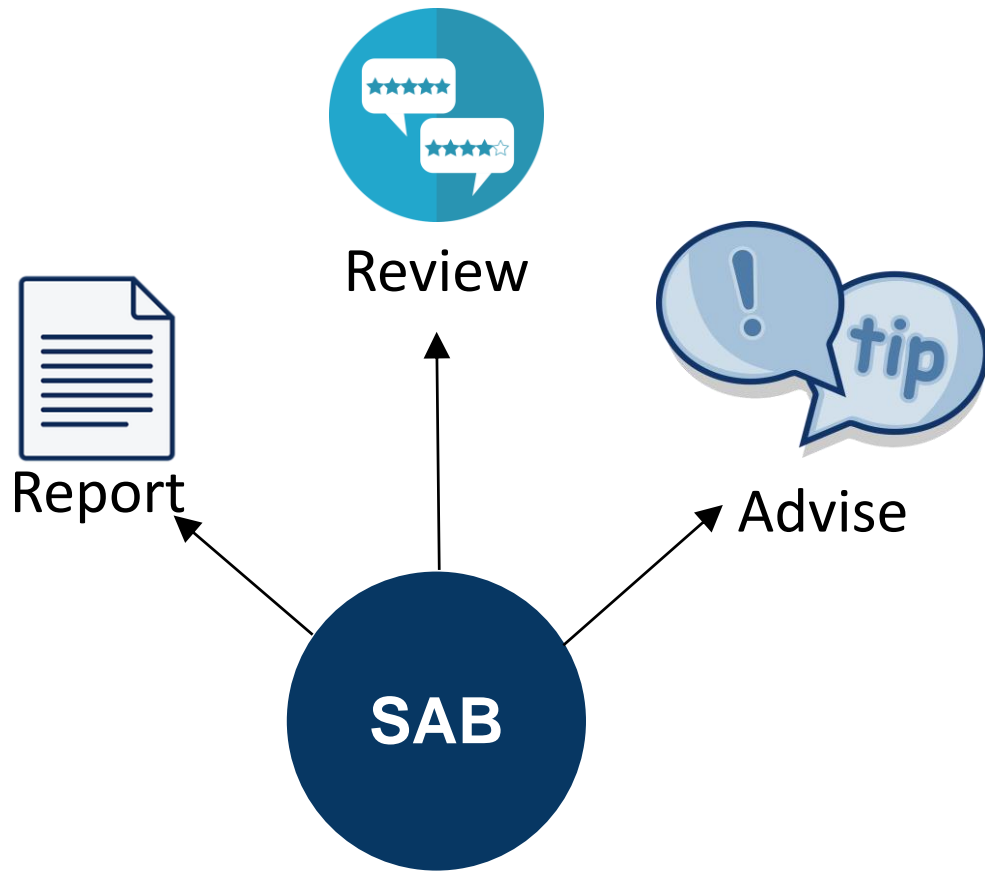
Ecosystem Sciences Management Working Group

Science Advisory Board Overview and ESMWG History

Cynthia J. Decker, Ph.D,
Executive Director, NOAA SAB

Welcome!

Purpose and Background of the SAB



The only NOAA federal advisory committee to advise across all lines, strategic councils, & offices.

- ❑ History: created in 1997 by the Under Secretary (J. Baker); first convened in 1998
- ❑ Membership: ~15 members; 3-yr term renewable once; nominated by Under Secretary; 3 in-person meetings per year; remote meetings as needed
- ❑ SAB Office: Executive Director and 3 part-time staff
- ❑ Website: sab.noaa.gov; includes all meeting documents, reports, and information on working groups

Importance of the SAB

- ❑ Reports directly to the Under Secretary
- ❑ Executive Director works directly with the Chief Scientist & Deputy Under Secretary to identify issues
- ❑ Assistant Administrators & Strategic Council Chairs look to the SAB for high-level advice
- ❑ All of the above attend the meetings and provide feedback on reports and recommendations

Value Added

- ❑ Works to provide strategic guidance on trends, issues and new areas of cutting-edge research that may impact NOAA mission in the future
- ❑ Provides advice from external experts, i.e. not the usual suspects
- ❑ Validates requirements and needs
- ❑ Identifies gaps in programs, expertise, funding



Report



Review



Network of Experts

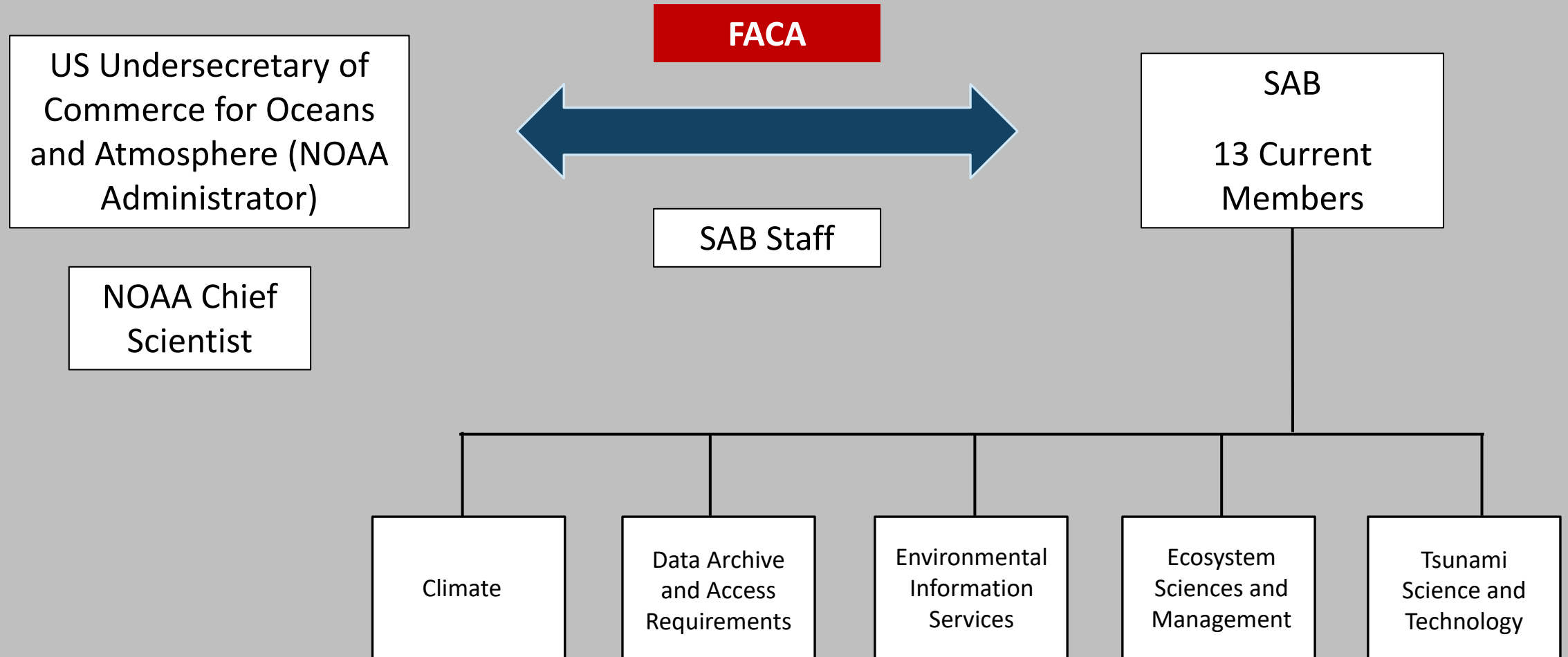


Advise



Sounding Board

The SAB in NOAA



SAB Website: sab.noaa.gov

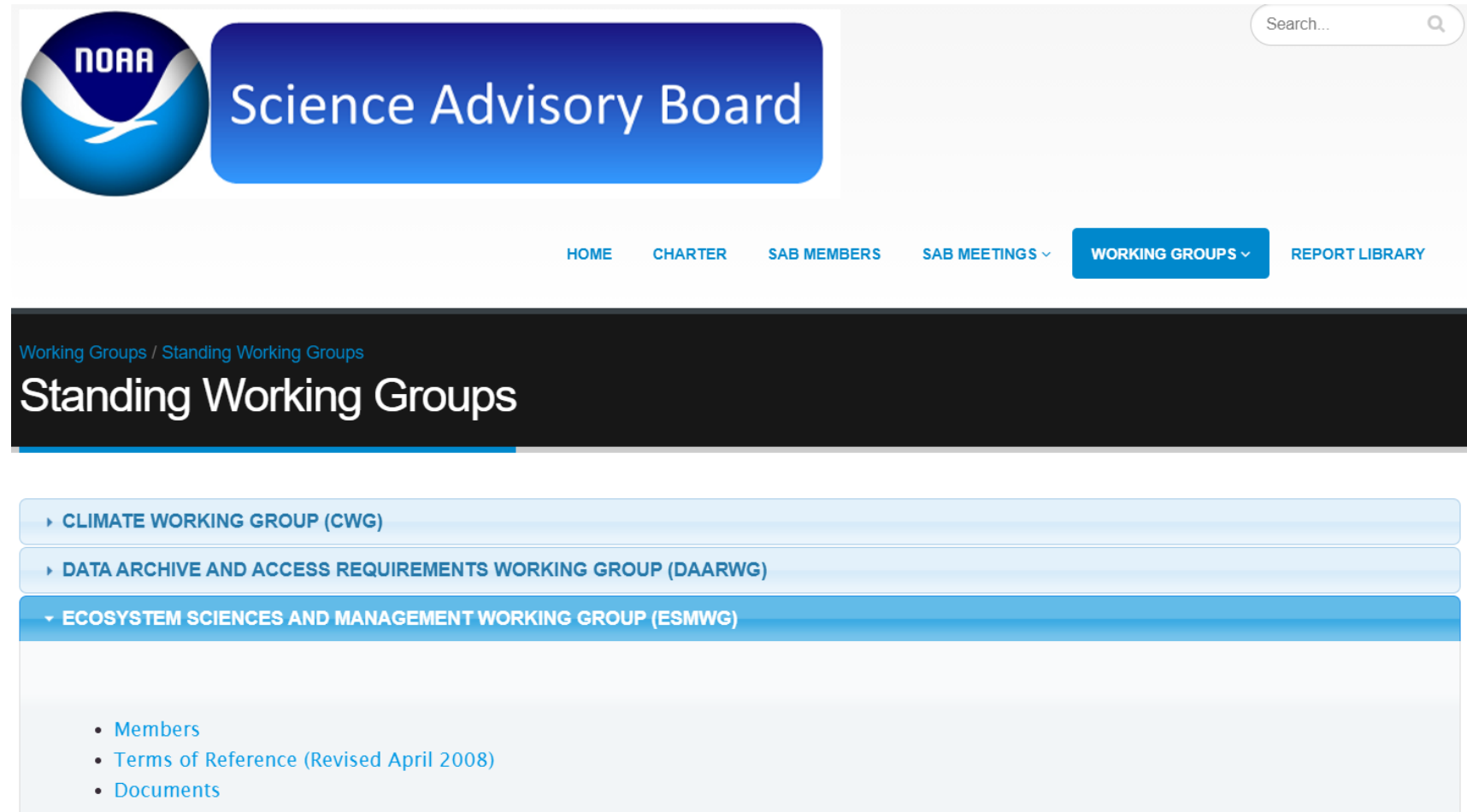
☐ SAB

- Members
- Meeting Details
- Meeting Documents

☐ Working Groups

- Members
- Reports
- Terms of Reference

☐ Report Library



The screenshot displays the NOAA Science Advisory Board website. At the top, the NOAA logo is on the left, and a blue banner with the text 'Science Advisory Board' is on the right. A search bar is located in the top right corner. Below the banner, a navigation menu includes links for HOME, CHARTER, SAB MEMBERS, SAB MEETINGS, WORKING GROUPS (highlighted in blue), and REPORT LIBRARY. The main content area has a dark header with the text 'Working Groups / Standing Working Groups' and 'Standing Working Groups' in large white font. Below this, there are three expandable sections for working groups: CLIMATE WORKING GROUP (CWG), DATA ARCHIVE AND ACCESS REQUIREMENTS WORKING GROUP (DAARWG), and ECOSYSTEM SCIENCES AND MANAGEMENT WORKING GROUP (ESMWG). The ESMWG section is expanded, showing a list of links: Members, Terms of Reference (Revised April 2008), and Documents.

NOAA Science Advisory Board

Search...

HOME CHARTER SAB MEMBERS SAB MEETINGS WORKING GROUPS REPORT LIBRARY

Working Groups / Standing Working Groups

Standing Working Groups

- ▶ CLIMATE WORKING GROUP (CWG)
- ▶ DATA ARCHIVE AND ACCESS REQUIREMENTS WORKING GROUP (DAARWG)
- ▼ ECOSYSTEM SCIENCES AND MANAGEMENT WORKING GROUP (ESMWG)
 - [Members](#)
 - [Terms of Reference \(Revised April 2008\)](#)
 - [Documents](#)

NOAA SAB Working Groups

The NOAA Science Advisory Board is called upon to provide advice to NOAA on a wide variety of topics important to the agency. Because of the breadth of subject matter that the group addresses, they frequently consult with additional experts on specific topics. To that end, there are four standing SAB working groups:

- ❑ Data Archiving and Access Requirements Working Group (DAARWG)
- ❑ Ecosystem Sciences and Management Working Group (ESMWG)
- ❑ Environmental Information Services Working Group (EISWG)
 - ❑ Tsunami Science and Technology Advisory Panel (TSTAP)
- ❑ Climate Working Group (CWG)

How working groups interact with the SAB

- ☐ The SAB develops an annual Work Plan.
- ☐ Working groups are involved in the Work Plan topic development.
- ☐ Working groups typically get assignments for drafting reports on portions of the work plan topics.
- ☐ Working groups report back to the SAB periodically, present a final report.
- ☐ The SAB accepts a working group report and forwards it to NOAA for a response.
- ☐ Final reports are published on the SAB website.

ESMWG Google Drive



- ❑ Access granted after become a member
- ❑ All ESMWG related documents: membership, reports, meeting documents and minutes
- ❑ Allows for joint collaboration on projects

Shared with me > ESMWG

Folders

- 2019 ESMWG DRAFT ...
- Caren_ESMWG
- DMDU_Deep Uncertain...
- ESMWG December 201...
- ESMWG May 2019 Me...
- ESMWG October 2019 ...
- ESMWG presentations
- November 2020 Meeting

Files

-  Kelly Goodwin - Oceanic and Atmospheric Research (OAR) Atlantic Oceanographic & Meteorological Laboratory (AOML) Silver Spring, MD (20910)
- Goodwin_ESMWG_May...
-  Kelly Goodwin - Oceanic and Atmospheric Research (OAR) Atlantic Oceanographic & Meteorological Laboratory (AOML) Silver Spring, MD (20910)
- Goodwin_ESMWG_May...
- Helser Biography
- Helser Biography.docx
- Kelly Goodwinbiosketch...

Dr. Kelly Goodwin is currently Program Manager and lead researcher of the Fisheries Ecology and Fisheries Management (PEFM) Group at NOAA's Southeast Fisheries Science Center (SEFSC) in Beaufort, North Carolina. She is also a senior research advisor at the University of Maryland System. Dr. Goodwin's research focuses on understanding the interactions between climate change, ocean acidification, and other environmental stressors on marine ecosystems. She is currently leading a large-scale project to assess the impacts of climate change on the productivity of marine fisheries. Dr. Goodwin is also a member of the ESMWG (Ecological Systems Modeling Working Group) and has contributed to several ESMWG reports and presentations.

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ESMWG Members

CO-CHAIRS

Ms. Molly McCammon - Alaska Ocean Observing System

Dr. Jan Newton - University of Washington

Dr. Lisa Wainger-University of Maryland, Chesapeake Biological Laboratory

MEMBERS

Dr. Erik Chapman - New Hampshire Sea Grant, University of New Hampshire

Dr. Ed Parnell - University of California at San Diego

Dr. Kenneth Rose - University of Maryland

Dr. Robert Twilley - Louisiana State University

SAB LIAISON

Mr. Jon Allan – University of Michigan

Dr. Steve Weisberg - Southern California Coastal Water Research Project

Others involved with the ESMWG

SAB Office

- ❑ **Dr. Cynthia Decker** – NOAA SAB Executive Director
- ❑ **TBD** – SAB Staff Support

NOAA Liaisons

- ❑ **Dr. Jonathan Pennock (OAR)**– Director, National Sea Grant Office
- ❑ **Dr. Cisco Werner (NMFS)** – Director of Scientific Programs and Chief Science Advisor
- ❑ **Mr. John Armor (NOS)** – Director, Office of National Marine Sanctuaries
- ❑ **Dr. Paul DiGiacomo (NESDIS)** – Chief, Satellite Oceanography and Climatology Division, Center for Satellite Applications and Research

Definition of the ESMWG

From the Term of Reference:

The Ecosystem Sciences and Management Working Group (ESMWG) will provide scientific advice and broad direction to the NOAA Science Advisory Board (SAB) regarding NOAA's ecosystem related programs, in the context of national and international activities. The ESMWG will focus on the broad research, monitoring, and management components of NOAA's ecosystem portfolio, as well as on the underlying observations and data management issues. The ESMWG will assist in establishing plans, assessing progress, and reviewing priorities on a continuing basis.

The role of the ESMWG

As a sanctioned working group of the NOAA SAB, the ESMWG:

- ❑ Advises the SAB on the condition and capabilities of NOAA's ecosystem portfolio and,
- ❑ Submits formal reports to the SAB that identify current issues, deficiencies, recommendations for remedial action, and proposed initiatives.

The ESMWG will:

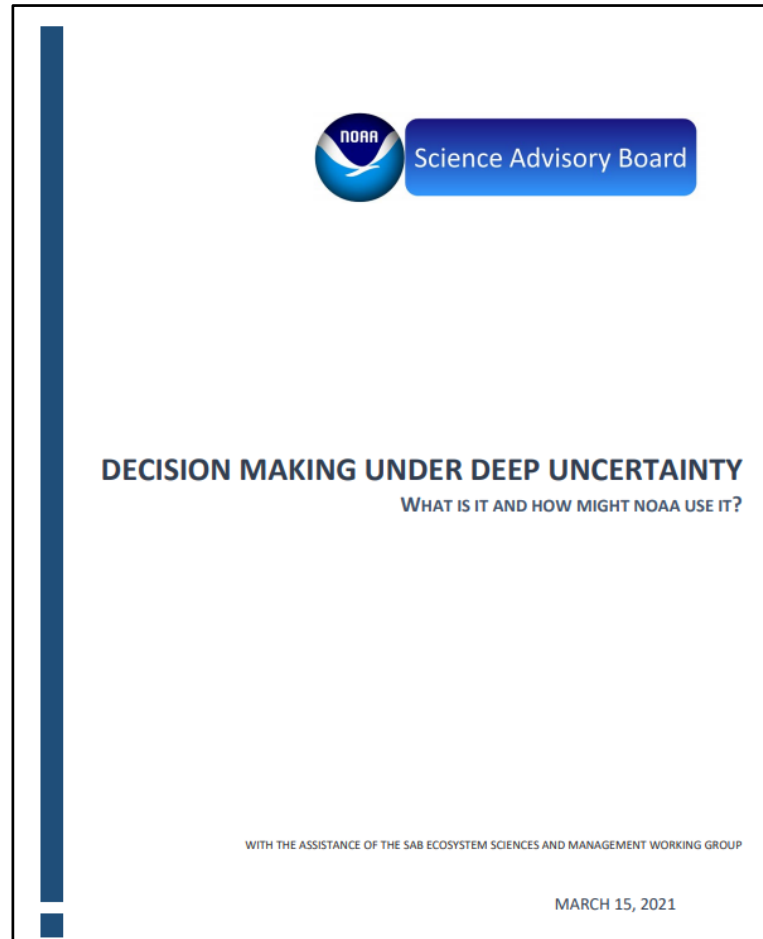
1. Foster ongoing dialogue
2. Enhance communication with external partners and stakeholders, and
3. Provide a sounding board for proposals to enhance the delivery of science supporting ecosystem approaches to management

ESMWG members will

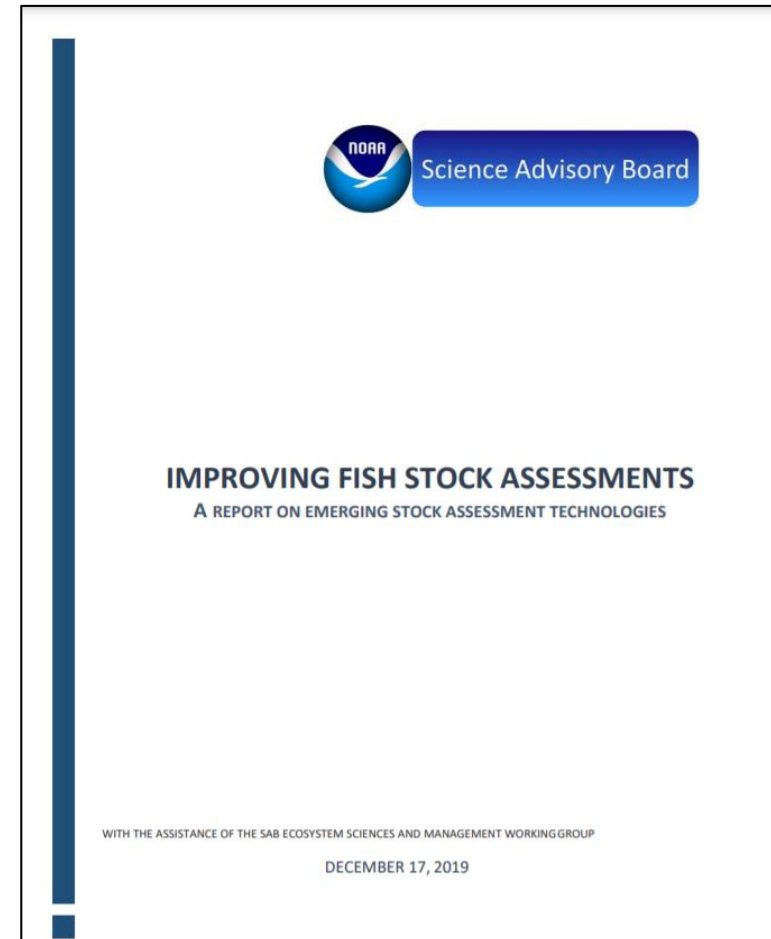
- ❑ Be appointed for three-year terms on a rolling and randomized basis with the opportunity for one additional term.
- ❑ Provide suggestions of new candidates annually to the NOAA SAB for consideration.
- ❑ Convene 2-3 times per year.

Past ESMWG Work

[Decision Making Under Deep Uncertainty](#) (2021)



[Improving Fish Stock Assessments](#) (2019)



Upcoming ESMWG Work

- ❑ Leadership in Coastal Resilience - SAB priority topic
- ❑ Rapidly Changing Marine Environment

Questions?